

# State Well Report

## Part 1 - Driller's Log

Mississippi Department of Environmental Quality  
Office of Land and Water Resources  
P.O. Box 10631  
Jackson, MS 39289-0631  
(601)961-5210  
(601)354-6938 (fax)

County: Calhoun  
 Permit #: GW 16252  
 Driller: Donald Smith Co.  
 Date drilling completed: 01/10/07

For Office Use Only:

Aquifer: \_\_\_\_\_  
 Well #: G-12  
 L. S. Elevation: \_\_\_\_\_  
 E-log #: \_\_\_\_\_

*State Law requires that this report be prepared by the license holder responsible for the work and filed with the Department at the above address within 30 days of completion of drilling of the well or borehole.*

Information on Well Owner <i>(Landowner if borehole is not for a water well)</i>	Well or Borehole Location
Owner Name: <u>Macedonia Water Assoc</u>	Latitude: <u>33° 54' 26" N</u> Longitude: <u>89° 19' 27" W</u>
Mailing Address: <u>195 CR 408</u>	Method of Lat/Long (circle one): Conventional Survey, _____ USGS quad, <u>Hand-held GPS</u> , Survey-grade GPS _____
<u>Calhoun City, MS 38916</u> City State Zip Code	1/4 Sec <u>32</u> Twn <u>13S</u> Rng <u>1W</u>
Telephone No. ( ) _____	Distance <u>3</u> Miles Direction <u>N</u> of Nearest Town <u>Calhoun City on Hwy 9</u>

**Well / Borehole Data**

Date drilling started: 11/7/06 Date drilling completed: 01/10/07 Hole depth: 2025' Hole diameter: 8"

Location of the source of any surface water used for drilling: Public Water Supply

Method of dosing and volume of Chlorine used in drilling and development: \_\_\_\_\_

Logs run (circle all applicable): No log run   Electric  Gamma Ray  Density  Sonic  Neutron  Other: \_\_\_\_\_

Name of organization running log(s): \_\_\_\_\_

Purpose of borehole (check one): Water Well  Geotechnical/Geological Investigation  Ground Source Heat Pump  Seismic Survey  Other (describe) \_\_\_\_\_

*If drilling is not related to water well construction, skip the remainder of this block*

Purpose of Well (check one): Home  Industrial  Public Supply  Irrigation  Fish Culture  Other: \_\_\_\_\_

If a flowing well, method of flow regulation: Valve \_\_\_\_\_ Other (describe) \_\_\_\_\_

Static Water Level: 204 feet above or below (circle one) land surface Date measured: 02/07

Method of Measurement (circle one) steel tape   electric tape  air line  other: \_\_\_\_\_

Well depth: 2038 Well grouted to a depth of 1990 feet Type of grout (circle one)  Neat Cement  Bentonite  Mix

Casing length: 1990 feet Casing diameter: 8 inches Type of casing: Steel

Screen length: 40 feet Screen diameter: 4 inches Type of screen: Stainless Steel

Screen slot size: .030 inches Setting depth: From 1995 feet to 2035 feet Wire Wrapped

Type of completion (circle all applicable):  Gravel packed  Underreamed  Telescoped  Open hole  Natural Development

Other (describe): \_\_\_\_\_

Top of lap pipe or reduction in casing: 1890 feet. *If telescoped or more than one screen, describe on next page*



# STATE WELL REPORT

## Part 2

**Pump Installer's Completion Report**  
 Mississippi Department of Environmental Quality  
 Office of Land and Water Resources  
 P.O. Box 10631  
 Jackson, MS 39289-0631  
 (601)961-5210  
 (601)354-6938 (fax)

County: Calhoun  
 Permit #: GW 16252  
 Driller: Donald Smith Co.  
 Date completed: 05/24/07  
*Copy information from block on Part 1*

**For Office Use Only:**

Aquifer: \_\_\_\_\_  
 Well #: G-12  
 Elevation: \_\_\_\_\_

*This part of the report must be completed by a licensed water well contractor or a licensed pump installer. A copy of Part 1 of the report must be attached and both parts filed with the Department at the above address within 30 days of well completion.*

Well Owner Information	Well Location
Owner Name: <u>Macedonia Water Assoc</u>	Latitude: <u>335426N</u> Longitude: <u>891927W</u>
Mailing Address: <u>195 CR 408</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>Calhoun City, MS 38916</u> City State Zip Code	USGS quad <u>Hand-held GPS</u> , Survey-grade GPS _____
Telephone No. ( ) _____	_____ 1/4 _____ 1/4 Sec <u>32</u> T <u>13S</u> R <u>1W</u>
	Distance Direction Nearest Town <u>3</u> Miles <u>N</u> of <u>Calhoun City</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet <input type="radio"/> <u>Submersible</u> <input type="radio"/>	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston Turbine <input type="radio"/>	<u>Electric Motor</u> <input type="radio"/> Hand Tractor PTO <input type="radio"/>
Centrifugal Rotary Flowing Well <input type="radio"/>	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>30</u>
Date Pump Installed: <u>4/04/07</u>	Setting Depth: <u>260</u> feet
Rated Pump Capacity: _____ Gallons Per Minute	Number of Stages: <u>7</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>02/05/07</u>	Air Line <input type="radio"/> <u>Electric Measuring Line</u> <input type="radio"/> Steel Tape
Static Water Level (A): <u>204</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>220</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: <u>16</u> Feet Below Land Surface	Well yielded <u>200</u> GPM with a drawdown of
Test Pumping Rate: <u>200</u> Gallons Per Minute	<u>16</u> feet after <u>8</u> hours of pumping
Duration of Pump Test (minimum 4 hours): <u>8</u> hours	

I HEREBY CERTIFY that the above statements are true to the best of my knowledge.

Donald E Smith 0-767 Donald E Smith  
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer

# Donald Smith Company, Inc. *GW16252*

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FEET	DESCRIPTION	<i>G-12</i>
0 - 8	Red clay	
8 - 25	White clay & lignite	
25 - 100	Blue clay	
100 - 550	Sandy clay	
550 - 675	Blue clay	
675 - 1,180	Shale, lime rock	
1,180 - 1,445	Lime rock & Hard shale	
1,445 - 1,506	Blue clay & Rock	
1,506 - 1,598	Sandy clay	
1,598 - 1,615	Blue clay	
1,615 - 1,650	Sandy clay	
1,650 - 1,690	Tight sand	
1,690 - 1,700	Sand streaked clay	
1,700 - 1,765	Hard shale	
1,765 - 1,800	Clay	
1,800 - 1,805	Sand	
1,805 - 1,811	Hard shale & Clay	
1,811 - 1,831	Sand	
1,831 - 1,860	Clay	
1,860 - 1,865	Shale & Sand	
1,865 - 1,890	Clay shale	
1,890 - 1,900	Sand	
1,900 - 1,925	Pink Gumbo	
1,925 - 1,956	Blue clay & Shale	
1,956 - 1,981	Sand	
1,981 - 1,990	Choppy	



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Drilling Wells and Pumping Water Since 1946  
772 Romie Hill Avenue • Shannon, MS 38868 • (662) 767-9777 • Fax (662) 767-3107

6W16252

G-12

